

| 体外研究(In Vitro) | <p>MK-886 (0.5-2 μM; 15?hours; primary keratinocytes) treatment reduces keratin-1 expression in a culture of mouse primary keratinocytes.</p> <p>Using a transient transfection system in monkey kidney fibroblast CV-1 cells, mouse keratinocyte 308 cells and human lung adenocarcinoma A549 cells, 10 μM MK-886 is able to inhibit Wy-14643 activation of PPARα by ~80%. MK-886 also decreases PPARα activation by fatty acids in the stable transfection system.</p> <p>Although Jurkat cells express all PPAR isoforms, various PPARα and PPARγ agonists are unable to prevent MK-886-induced apoptosis.</p> <p>Medlife has not independently confirmed the accuracy of these methods. They are for reference only.</p> <p>Western Blot Analysis</p> <table border="1" data-bbox="363 501 863 725"> <tr> <td>Cell Line:</td> <td>Primary keratinocytes</td> </tr> <tr> <td>Concentration:</td> <td>0.5 μM, 1 μM or 2 μM</td> </tr> <tr> <td>Incubation Time:</td> <td>15?hours</td> </tr> <tr> <td>Result:</td> <td>Decreased in keratin-1 expression.</td> </tr> </table> | Cell Line: | Primary keratinocytes | Concentration: | 0.5 μ M, 1 μ M or 2 μ M | Incubation Time: | 15?hours | Result: | Decreased in keratin-1 expression. | | | | | | | | | |
|------------------|---|---------------|---|----------------|-------------------------------------|------------------|---------------------|------------|--|------------|------|-----------|-----------|-----------|-------|-----------|-----------|-----------|
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| 体内研究(In Vivo) | <p>MK-886 (L 663536; 5 mg/kg; oral administration; male Sprague-Dawley rats) treatment potently inhibits the antigen-induced dyspnea in inbred rats pretreated with methysergide.</p> <p>MK-886 (L 663536) inhibits leukotriene biosynthesis in vivo in a rat pleurisy model (ED₅₀, 0.2 mg/kg p.o.), an inflamed rat paw model (ED₅₀, 0.8 mg/kg), a model of leukotriene excretion in rat bile following antigen provocation.</p> <p>Medlife has not independently confirmed the accuracy of these methods. They are for reference only.</p> <table border="1" data-bbox="363 999 1161 1223"> <tr> <td>Animal Model:</td> <td>Male Sprague-Dawley rats (300-400 g) with antigen-induced dyspnea</td> </tr> <tr> <td>Dosage:</td> <td>5 mg/kg</td> </tr> <tr> <td>Administration:</td> <td>Oral administration</td> </tr> <tr> <td>Result:</td> <td>Inhibited the antigen-induced dyspnea.</td> </tr> </table> | Animal Model: | Male Sprague-Dawley rats (300-400 g) with antigen-induced dyspnea | Dosage: | 5 mg/kg | Administration: | Oral administration | Result: | Inhibited the antigen-induced dyspnea. | | | | | | | | | |
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| 包装储存 | <table border="1" data-bbox="363 1256 651 1480"> <tr> <td>Powder</td> <td>-20°C</td> <td>3 years</td> </tr> <tr> <td></td> <td>4°C</td> <td>2 years</td> </tr> <tr> <td>In solvent</td> <td>-80°C</td> <td>6 months</td> </tr> <tr> <td></td> <td>-20°C</td> <td>1 month</td> </tr> </table> | Powder | -20°C | 3 years | | 4°C | 2 years | In solvent | -80°C | 6 months | | -20°C | 1 month | | | | | |
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| | <p>体外研究:</p> <p>DMSO : 75 mg/mL (158.87 mM); Need ultrasonic)</p> <table border="1" data-bbox="363 1630 1517 1883"> <thead> <tr> <th rowspan="2">配制储备溶液</th> <th>溶剂体积 浓度</th> <th>质量 1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>1 mM</td> <td>2.1183 mL</td> <td>10.5914 mL</td> <td>21.1828 mL</td> </tr> <tr> <td>5 mM</td> <td>0.4237 mL</td> <td>2.1183 mL</td> <td>4.2366 mL</td> </tr> <tr> <td>10 mM</td> <td>0.2118 mL</td> <td>1.0591 mL</td> <td>2.1183 mL</td> </tr> </tbody> </table> <p>* 产品不同，其溶解度不同。建议根据产品选择合适的溶剂配制储备溶液；配成溶液后，建议分装保存，避免反复冻融造成的产品失效。</p> <p>储备液的保存方式和期限：-80°C, 6 months; -20°C, 1 month。-80°C 储存时，建议在 6 个月内使用，-20°C 储存时，</p> | 配制储备溶液 | 溶剂体积 浓度 | 质量 1 mg | 5 mg | 10 mg | 1 mM | 2.1183 mL | 10.5914 mL | 21.1828 mL | 5 mM | 0.4237 mL | 2.1183 mL | 4.2366 mL | 10 mM | 0.2118 mL | 1.0591 mL | 2.1183 mL |
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建议在 1 个月内使用。

体内研究:

建议根据您的**实验动物和给药方式**选择适当的溶解方案。以下溶解方案都建议先按照**体外研究**方式配制澄清的储备液，再依次添加助溶剂：

——为保证实验结果的可靠性，澄清的储备液可以根据储存条件，适当保存；体内实验的工作液，建议您现用现配，当天使用；以下溶剂前显示的百

分比是指该溶剂在您配制终溶液中的体积占比；如在配制过程中出现沉淀、析出现象，可以通过加热和/或超声的方式助溶

溶解度数据

1. 建议依照次序添加每种溶剂：0.5% CMC-Na/saline water
Solubility: 10 mg/mL (21.18 mM); Suspended solution; Need ultrasonic

2. 建议依照次序添加每种溶剂：10% DMSO 90% (20% SBE- β -CD in saline)
Solubility: 2.5 mg/mL (5.30 mM); Suspended solution; Need ultrasonic

此方案可获得 2.5 mg/mL (5.30 mM) 的均匀悬浊液，悬浊液可用于口服和腹腔注射。

以 1 mL 工作液为例，取 100 μ L 25.0 mg/mL 的澄清 DMSO 储备液加到 900 μ L 20% 的 SBE- β -CD 生理盐水溶液中，混合均匀。

将 2 g 磺丁基醚 β -环糊精加入 5 mL 生理盐水中，再用生理盐水定容至 10 mL，完全溶解，澄清透明

3. 建议依照次序添加每种溶剂：10% DMSO 40% PEG300 5% Tween-80 45% saline
Solubility: 2.08 mg/mL (4.41 mM); Clear solution; Need ultrasonic

此方案可获得 2.08 mg/mL (4.41 mM) 的澄清溶液。

以 1 mL 工作液为例，取 100 μ L 20.8 mg/mL 的澄清 DMSO 储备液加到 400 μ L PEG300 中，混合均匀；向上述体系中加入 50 μ L Tween-80，混合均匀；然后继续加入 450 μ L 生理盐水定容至 1 mL。

将 0.9 g 氯化钠，完全溶解于 100 mL ddH₂O 中，得到澄清透明的生理盐水溶液

4. 建议依照次序添加每种溶剂：10% DMSO 90% corn oil
Solubility: \geq 2.08 mg/mL (4.41 mM); Clear solution

此方案可获得 \geq 2.08 mg/mL (4.41 mM，饱和度未知) 的澄清溶液，此方案不适用于实验周期在半个月以上的实验。

以 1 mL 工作液为例，取 100 μ L 20.8 mg/mL 的澄清 DMSO 储备液加到 900 μ L 玉米油中，混合均匀。

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